## WHAT IS CLAIMED IS:

1.     A computer system in which a virtual memory system is implemented, the computer system comprising a plurality of virtual memory pages, some of which being backed by a set of one or more physical memory pages and others of which being backed by a secondary memory, the computer system further comprising a primary data store containing a first data item and a secondary data store containing a second data item, the first data item and the second data item each providing memory mapping information about a first virtual memory page, the second data item being derived from the first data item, the computer system further comprising:

        an actor, the actor modifying the first data item in the primary data store so that the second data item in the secondary data store is incoherent with the first data item;

        a producer, the producer providing information indicating that the first data item in the primary data store has been modified; and

        a consumer,

        wherein, on occurrence of a coherency event at which the secondary data item is not to be incoherent with the primary data item, the consumer receives the information provided by the producer and eliminates the incoherency between the second data item and the first data item.